

CAM80/160/384/640/978/979

Professional Thermal Imaging Camera



CAM80/CAM160/CAM384/CAM640/CAM978/CAM979 have compact structure, small size and light weight which are a solid durable product with high sensitivity, clarity images, precise measurement and flexible operation features. It can meet the demand of non-contact temperature measurement, fast fault detection and thermal field analysis in the field of industrial, electrical, electronics and other industries.

CAM979 is combined with Visual and Thermal Imaging function, provides more flexible operation features.

The leading end will complete all the image processing and temperature measurement then the analog video can output to a monitor directly.



Model: 979



Model: 978

Specifications	CAM80	CAM160	CAM384/978	CAM640	CAM979
Imaging and optical data					
Field of view (FOV) / Minimum focus distance	17x17°/0.5m	29.8x22.6°/0.2m	24.6°x 18.6°/ 0.5m	24.6°x 19.8°/ 0.3m	29.8°x 22.6°/ 0.2m
Spatial resolution (IFOV)	3.78mrad	3.33mrad	1.14 mrad	0.45	3.33mrad
Thermal sensitivity/NETD	< 0.1°C /100mK	< 0.08°C /80mK	< 0.05°C /50mK	< 0.05°C /50mK	< 0.08°C @ +3.0°C (+86°F) / 80 mK
Image frequency	50HZ				
Focus mode	Manual				
Focal length	9mm	7.5mm	22mm	38mm	7.5mm
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8-14 μm				
IR resolution	80x80	160x120	384x288	640x480	160x120
Image presentation					
Image modes	IR image only				IR image, visual image
Color palettes	IRON, Rainbow, Grey, Grey Inverted, Sepia, Blue_Red, Hot_Cold, Humidity				
Measurement					
Object temperature range	-20°C to +150°C (-4°F to +302°F) 0°C to +350°C (+32°F to +662°F)		-20°C to +150°C (-4°F to +302°F) 0°C to +400°C (+32°F to +752°F)		
Accuracy	±2°C (±3.6°F) or ±2% of reading				
Data communication interfaces					
Interfaces	USB, composite video				composite video
USB	Remote control				
Video out	Composite(PAL and NTSC)				
Ethernet type, connector type, video streaming					100Mbps, RJ-45, H.264
Alarm output	2 relay output				
Power system					
Input voltage	DC 9V to 12V				
Options Lens					
11mm	20.6° x 15.5°		47.1°x 36.2°		20.6° x 15.5°
22mm	10.4° x 7.8°				
33mm	6.9° x 5.2°				
38mm			14.4°x 10.8°		

Applications

- Buildings, factories security monitor circular;
- Border, ports, airports, railway stations and other big visitors flow rate places monitor circular;
- Warehouse fire monitor circular;
- Forest fire monitor circular.



RL-7.5
7.5mm Lens



RL-33
33mm Lens



RL-22
22mm Lens

Size(HxWxD): 90mmx74mmx74mm
130mmx60mmx74mm(978 only)

Weight: 1000g

Accessories: Infrared camera with lens, CVBS cable, RS485 cable, Network cable, Gift box.

